

**IN THE ABSTRACT:**

Please replace the abstract with the following:

**ABSTRACT OF THE DISCLOSURE**

A solid bowl screw centrifuge including: a drum having a solids discharge at a conical end and at least one discharge opening at an end opposite the conical end, the at least one discharge opening arranged with an axial drum lid; a screw rotatable at a different speed relative to the drum; a centripetal chamber section connected behind the drum lid with the at least one discharge opening; a centripetal pump arranged to discharge a liquid phase from the solid bowl screw centrifuge; and an adjustable throttling device connected in front of the centripetal pump in the centripetal chamber section, the adjustable throttling device being assigned to the at least one discharge opening.